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Reviewer: Anne Corrigan

Timestamp: [year=2009; month=4; day=27; hr=18; min=44; sec=46; ms=137; ]

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Application No: 10579113 Version No: 3.0

Input Set:

Output Set:

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Finished: 2009-04-20 13:32:02.785  
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No. of SeqIDs Defined: 32  
Actual SeqID Count: 32

<110> FAGAN, Richard Joseph  
DAVIDS, Andrew Robert  
PHELPS, Christopher Benjamin  
POWER, Christine  
BOSCHERT, Ursula  
CHVATCHKO, Yolande

<130> C.R.116

<140> 10579113

<141> 2009-04-20

<150> PCT/GB2004/004772

<151> 2004-11-12

<150> GB0326393.6

<151> 2003-11-12

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<212> DNA

<213> Homo sapiens

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<212> PRT

<213> Homo sapiens

<400> 2

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<212> DNA

<213> Homo sapiens

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ggcagctgaa	gcgggacaag	ccagtgaccg	tggtgcagtc	cattggcaca	gaggtcatcg	180

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<213> Homo sapiens

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20 25 30  
Ser Asp Arg Pro Val Val Lys Trp Gln Leu Lys Arg Asp Lys Pro Val  
35 40 45  
Thr Val Val Gln Ser Ile Gly Thr Glu Val Ile Gly Thr Leu Arg Pro  
50 55 60  
Asp Tyr Arg Asp Arg Ile Arg Leu Phe Glu Asn Gly Ser Leu Leu Leu  
65 70 75 80  
Ser Asp Leu Gln Leu Ala Asp Glu Gly Thr Tyr Glu Val Glu Ile Ser  
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Ile Thr Asp Asp Thr Phe Thr Gly Glu Lys Thr Ile Asn Leu Thr Val  
100 105 110

Asp Val

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atggcaagcc cctcctcaat gactcgagaa tgctcctgtc ccccgaccaa aaggtgctca 180  
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<210> 6  
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<212> PRT  
<213> Homo sapiens

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Leu Ser Glu Ala Phe Thr Leu Asn Cys Ser His Glu Asn Gly Thr Lys  
20 25 30

Pro Ser Tyr Thr Trp Leu Lys Asp Gly Lys Pro Leu Leu Asn Asp Ser  
35 40 45

Arg Met Leu Leu Ser Pro Asp Gln Lys Val Leu Thr Ile Thr Arg Val  
50 55 60

Leu Met Glu Asp Asp Asp Leu Tyr Ser Cys Met Val Glu Asn Pro Ile  
65 70 75 80

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<212> DNA  
<213> Homo sapiens

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<212> PRT  
<213> Homo sapiens

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<212> PRT  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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Leu Tyr Ile Leu Lys Asp Lys  
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<212> DNA  
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<212> PRT  
<213> Homo sapiens

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Arg Ser Pro Gly Leu Pro Ile Arg Ser Ala Arg Arg Tyr Pro Arg Ser  
35 40 45

Pro Ala Arg Ser Pro Ala Thr Gly Arg Thr His Ser Ser Pro Pro Arg  
50 55 60

Ala Pro Ser Ser Pro Gly Arg Ser Arg Ser Ala Ser Arg Thr Leu Arg  
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Thr Ala Gly Val His Ile Ile Arg Glu Gln Asp Glu Ala Gly Pro Val  
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Glu Ile Ser Ala

<210> 15  
 <211> 1251  
 <212> DNA  
 <213> Homo sapiens

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 cagtccattg gcacagaggt catcggcacc ctgcggcctg actatcgaga ccgtatccga 300  
 ctctttgaaa atggctccct gcttctcagc gacctgcagc tggccgatga gggcacctat 360  
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 aaccccatca gccagggccg cagcctgcct gtcaagatca ccgtatacag aagaagctcc 720  
 ctttacatca tcttgtctac aggaggcatc ttctccttg tgaccttggg gacagtctgt 780  
 gcctgtgga aacctccaa aaggaaacag aagaagctag aaaagcaaaa ctccctggaa 840  
 tacatggatc agaatgatga ccgcctgaaa ccagaagcag acaccctccc tcgaagtggg 900  
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<210> 16  
 <211> 416  
 <212> PRT  
 <213> Homo sapiens

<400> 16  
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 20 25 30  
 Gly Val Asn Ile Thr Ser Pro Val Arg Leu Ile His Gly Thr Val Gly  
 35 40 45  
 Lys Ser Ala Leu Leu Ser Val Gln Tyr Ser Ser Thr Ser Ser Asp Arg  
 50 55 60  
 Pro Val Val Lys Trp Gln Leu Lys Arg Asp Lys Pro Val Thr Val Val  
 65 70 75 80  
 Gln Ser Ile Gly Thr Glu Val Ile Gly Thr Leu Arg Pro Asp Tyr Arg  
 85 90 95  
 Asp Arg Ile Arg Leu Phe Glu Asn Gly Ser Leu Leu Leu Ser Asp Leu  
 100 105 110

Gln	Leu	Ala	Asp	Glu	Gly	Thr	Tyr	Glu	Val	Glu	Ile	Ser	Ile	Thr	Asp	115	120	125
Asp	Thr	Phe	Thr	Gly	Glu	Lys	Thr	Ile	Asn	Leu	Thr	Val	Asp	Val	Pro	130	135	140
Ile	Ser	Arg	Pro	Gln	Val	Leu	Val	Ala	Ser	Thr	Thr	Val	Leu	Glu	Leu	145	150	155
Ser	Glu	Ala	Phe	Thr	Leu	Asn	Cys	Ser	His	Glu	Asn	Gly	Thr	Lys	Pro	165	170	175
Ser	Tyr	Thr	Trp	Leu	Lys	Asp	Gly	Lys	Pro	Leu	Leu	Asn	Asp	Ser	Arg	180	185	190
Met	Leu	Leu	Ser	Pro	Asp	Gln	Lys	Val	Leu	Thr	Ile	Thr	Arg	Val	Leu	195	200	205
Met	Glu	Asp	Asp	Asp	Leu	Tyr	Ser	Cys	Met	Val	Glu	Asn	Pro	Ile	Ser	210	215	220
Gln	Gly	Arg	Ser	Leu	Pro	Val	Lys	Ile	Thr	Val	Tyr	Arg	Arg	Ser	Ser	225	230	235
Leu	Tyr	Ile	Ile	Leu	Ser	Thr	Gly	Gly	Ile	Phe	Leu	Leu	Val	Thr	Leu	245	250	255
Val	Thr	Val	Cys	Ala	Cys	Trp	Lys	Pro	Ser	Lys	Arg	Lys	Gln	Lys	Lys	260	265	270
Leu	Glu	Lys	Gln	Asn	Ser	Leu	Glu	Tyr	Met	Asp	Gln	Asn	Asp	Asp	Arg	275	280	285
Leu	Lys	Pro	Glu	Ala	Asp	Thr	Leu	Pro	Arg	Ser	Gly	Glu	Gln	Glu	Arg	290	295	300
Lys	Asn	Pro	Met	Ala	Leu	Tyr	Ile	Leu	Lys	Asp	Lys	Asp	Ser	Pro	Glu	305	310	315
Thr	Glu	Glu	Asn	Pro	Ala	Pro	Glu	Pro	Arg	Ser	Ala	Thr	Glu	Pro	Gly	325	330	335
Pro	Pro	Gly	Tyr	Ser	Val	Ser	Pro	Ala	Val	Pro	Gly	Arg	Ser	Pro	Gly	340	345	350
Leu	Pro	Ile	Arg	Ser	Ala	Arg	Arg	Tyr	Pro	Arg	Ser	Pro	Ala	Arg	Ser	355	360	365
Pro	Ala	Thr	Gly	Arg	Thr	His	Ser	Ser	Pro	Pro	Arg	Ala	Pro	Ser	Ser	370	375	380
Pro	Gly	Arg	Ser	Arg	Ser	Ala	Ser	Arg	Thr	Leu	Arg	Thr	Ala	Gly	Val	385	390	395
His	Ile	Ile	Arg	Glu	Gln	Asp	Glu	Ala	Gly	Pro	Val	Glu	Ile	Ser	Ala	405	410	415



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<211> 1257  
<212> DNA  
<213> Mus musculus

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cgtctgatcc acggcacagt ggggaagtcg gcctgtcttt ccgtgcagta cagtagcacc 180  
agcagcgaca agcccggtgt gaagtggcag ctgaagcgtg acaagccagt gaccgtggtg 240  
cagtctatag gcacagaggt cattggcact ctgcggcctg actatcgaga ccgtatccgg 300  
ctctttgaaa atggctcctt gcttctcagc gacctgcagc tggcggatga gggaacctat 360  
gaagtggaga ttcccatcac tgacgacacc ttcaccgggg agaagaccat caacctcacc 420  
gtggatgtgc ccatttcaag gccgcaggta ttagtggctt caaccactgt gctggagctc 480  
agtgaggcct tcacctcaa ctgctcccat gagaatggca ccaagcctag ctacacgtgg 540  
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gtgctcacca tcacccgagt actcatggaa gatgacgacc tgtacagctg tgtggtggag 660  
aaccatcatca gccagggtccg cagcctgcct gtcaagatca ctgtgtatag aagaagctcc 720  
ctctatatca tcttgtctac agggaggcatc ttctccttg tgaccctggt gacagtttgt 780  
gcctgtctga aacctcaaaa aaagtctagg aagaagagga agttggagaa gcaaaactcc 840  
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<210> 18  
<211> 418  
<212> PRT  
<213> Mus musculus

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20 25 30  
Gly Val Asn Ile Thr Ser Pro Val Arg Leu Ile His Gly Thr Val Gly  
35 40 45  
Lys Ser Ala Leu Leu Ser Val Gln Tyr Ser Ser Thr Ser Ser Asp Lys  
50 55 60  
Pro Val Val Lys Trp Gln Leu Lys Arg Asp Lys Pro Val Thr Val Val  
65 70 75 80  
Gln Ser Ile Gly Thr Glu Val Ile Gly Thr Leu Arg Pro Asp Tyr Arg  
85 90 95  
Asp Arg Ile Arg Leu Phe Glu Asn Gly Ser Leu Leu Leu Ser Asp Leu  
100 105 110  
Gln Leu Ala Asp Glu Gly Thr Tyr Glu Val Glu Ile Ser Ile Thr Asp

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Asp Thr Phe Thr Gly Glu Lys Thr Ile Asn Leu Thr Val Asp Val Pro					
130		135		140	
Ile Ser Arg Pro Gln Val Leu Val Ala Ser Thr Thr Val Leu Glu Leu					
145		150		155	160
Ser Glu Ala Phe Thr Leu Asn Cys Ser His Glu Asn Gly Thr Lys Pro					
	165		170		175
Ser Tyr Thr Trp Leu Lys Asp Gly Lys Pro Leu Leu Asn Asp Ser Arg					
	180		185		190
Met Leu Leu Ser Pro Asp Gln Lys Val Leu Thr Ile Thr Arg Val Leu					
	195		200		205
Met Glu Asp Asp Asp Leu Tyr Ser Cys Val Val Glu Asn Pro Ile Ser					
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Gln Val Arg Ser Leu Pro Val Lys Ile Thr Val Tyr Arg Arg Ser Ser					
225		230		235	240
Leu Tyr Ile Ile Leu Ser Thr Gly Gly Ile Phe Leu Leu Val Thr Leu					
	245		250		255
Val Thr Val Cys Ala Cys Trp Lys Pro Ser Lys Lys Ser Arg Lys Lys					
	260		265		270
Arg Lys Leu Glu Lys Gln Asn Ser Leu Glu Tyr Met Asp Gln Asn Asp					
	275		280		285
Asp Arg Leu Lys Ser Glu Ala Asp Thr Leu Pro Arg Ser Gly Glu Gln					
	290		295		300
Glu Arg Lys Asn Pro Met Ala Leu Tyr Ile Leu Lys Asp Lys Asp Ser					
305		310		315	320
Ser Glu Pro Asp Glu Asn Pro Ala Thr Glu Pro Arg Ser Thr Thr Glu					
	325		330		335
Pro Gly Pro Pro Gly Tyr Ser Val Ser Pro Pro Val Pro Gly Arg Ser					
	340		345		350
Pro Gly Leu Pro Ile Arg Ser Ala Arg Arg Tyr Pro Arg Ser Pro Ala					
	355		360		365
Arg Ser Pro Ala Thr Gly Arg Thr His Thr Ser Pro Pro Arg Ala Pro					
	370		375		380
Ser Ser Pro Gly Arg Ser Arg Ser Ser Ser Arg Ser Leu Arg Thr Ala					
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Ser Ala					

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<211> 720  
<212> DNA  
<213> Homo sapiens

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cgctgatcc atggcacccgt ggggaagtcg gctctgcttt ctgtgcagta cagcagtacc 180  
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